

Title (en)

ANTICANCER DRUG-CHITOSAN COMPLEX FORMING SELF-AGGREGATES AND PREPARATION METHOD THEREOF

Title (de)

CHITOSAN-KOMPLEX ZUR KREBSBEHANDLUNG UNTER BILDUNG VON AUTOAGGREGATEN UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)

COMPLEXE DE CHITOSANE-SUBSTANCE ANTICANCEREUSE FORMANT AUTOMATIQUEMENT DES CORPS PAR AGREGATION ET SON PROCEDE DE PREPARATION

Publication

**EP 1383539 B1 20060726 (EN)**

Application

**EP 02758920 A 20020814**

Priority

- KR 0201554 W 20020814
- KR 20010049772 A 20010818

Abstract (en)

[origin: WO03015827A1] The present invention relates to an anticancer drug-chitosan complex forming self-aggregates and the preparation method thereof. More precisely, the present invention relates to the anticancer drug-chitosan complex forming self-aggregates in aqueous media composed of a hydrophobic anticancer agent and a hydrophilic chitosan, and the preparation method thereof. The anticancer drug-chitosan complex of the present invention not only works selectively against target tumor tissue but also continues to release the medicine over a long period of time. Besides, the anticancer drug-chitosan complex could have greater amount of drug by adding the anticancer drug into self-aggregates, which is generally limited by chemical bond. Therefore, the anticancer drug-chitosan complex of the present invention can be effectively used for the cancer chemotherapy.

IPC 8 full level

**A61P 35/00** (2006.01); **A61K 31/337** (2006.01); **A61K 31/513** (2006.01); **A61K 31/555** (2006.01); **A61K 31/704** (2006.01); **A61K 45/00** (2006.01); **A61K 47/48** (2006.01)

CPC (source: EP KR US)

**A61K 31/704** (2013.01 - EP US); **A61K 47/50** (2017.07 - KR); **A61K 47/61** (2017.07 - EP US); **A61K 47/6907** (2017.07 - EP US); **A61P 35/00** (2017.12 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 03015827 A1 20030227**; AT E333924 T1 20060815; CN 100493614 C 20090603; CN 1503679 A 20040609; DE 60213395 D1 20060907; EP 1383539 A1 20040128; EP 1383539 A4 20050601; EP 1383539 B1 20060726; JP 2005501103 A 20050113; JP 4262090 B2 20090513; KR 100507968 B1 20050817; KR 20030015926 A 20030226; US 2004138152 A1 20040715; US 7511023 B2 20090331

DOCDB simple family (application)

**KR 0201554 W 20020814**; AT 02758920 T 20020814; CN 02808392 A 20020814; DE 60213395 T 20020814; EP 02758920 A 20020814; JP 2003520784 A 20020814; KR 20010049772 A 20010818; US 47362903 A 20031001